

# What's Going on Across the Country:

A look at what other States are doing about Cyanobacteria

**Algal Issues Workshop**  
**November 10, 2009**



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**USGS - Ohio Water Science Center**  
**Columbus, Ohio**



## California

- UCLA- Center for Embedded Networked Sensing
  - Conducts aquatic research using stationary buoys and other devices to provide measurements with near real-time data.
- California Department of Health maintains blue-green algae information





# West Coast



## Oregon

- Oregon Department of Fish and Wildlife provides Oregon Department of Human Services with data related to marine algae advisories
  - ODHS maintains the Harmful Algal Bloom Surveillance program
  - USGS and ODHS coordinated during a recent freshwater algal bloom



Detroit Lake  
Oregon DOH website





# West Coast



## Washington

- Washington Department of Ecology and Washington State Department of Health
  - Developed a freshwater algal identification and toxicity testing program
  - Developed state recreational guidance values for toxin levels in lakes
  - Coordinated with CDC on a database which contains historical microcystin toxicity from lakes



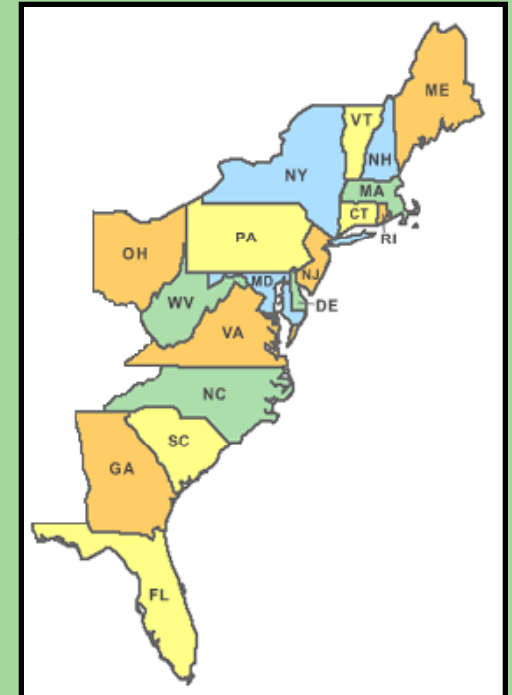


# East Coast



## New Hampshire

- Department of Environmental Services- Beach Inspection Program
  - Concerned with Cyanobacteria
  - Sample 170 beaches
  - Citizens report algae and sampling team responds within 24 hrs.



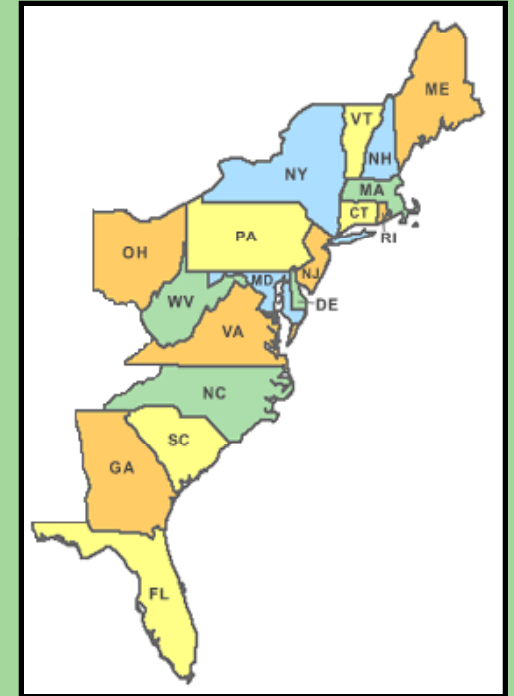


# East Coast



## Maryland

- Maryland Department of Natural Resources- Chesapeake Bay Monitoring Program
  - Examines algae density and distribution in the mainstem of the bay and its tributaries





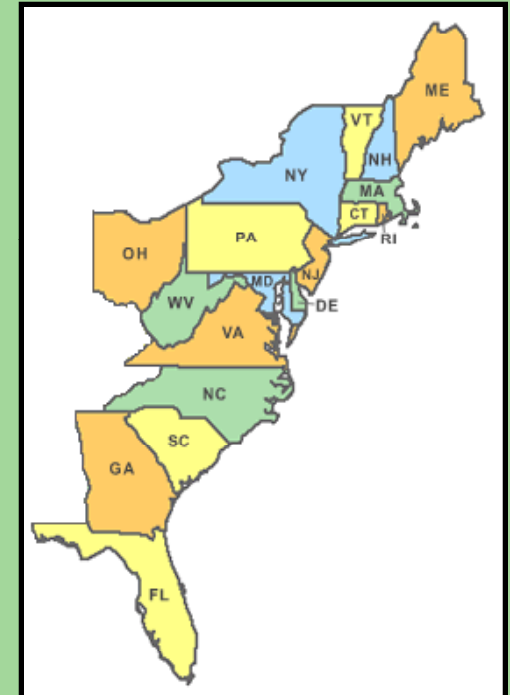


# East Coast



## North Carolina

- North Carolina Department of Environmental and Natural Resources and the University of North Carolina developed the Neuse River Estuary Modeling and Monitoring Project (ModMon)
  - Serves other state and federal agencies with ground data based on remote sensing of chlorophyll, turbidity and harmful algal blooms



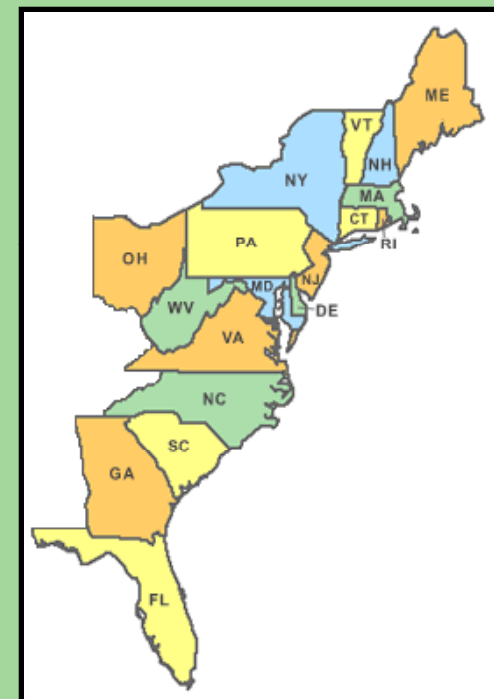


# East Coast



## Florida

- Harmful Algal Blooms Task Force was created in 1997 under the Florida Department of Health
  - Task force has conducted numerous studies regarding harmful algal blooms





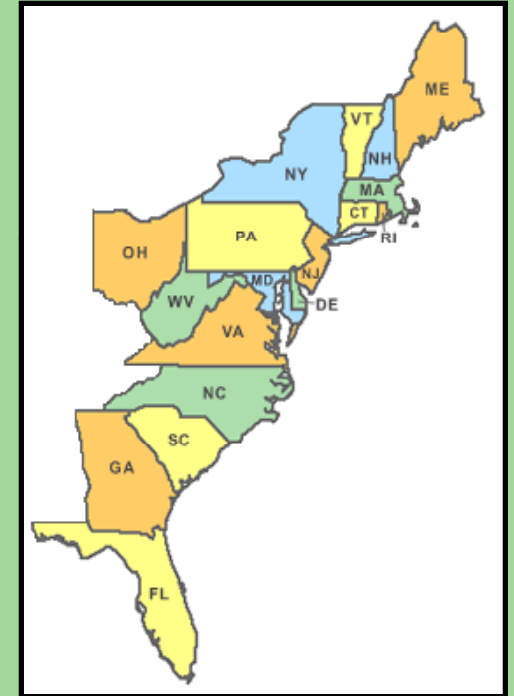


# Northeast



## Vermont

- Vermont Department of Environmental Conservation- Water Quality Division
  - Toxin testing is conducted if densities of potential toxic Cyanobacteria are high
  - Vermont Department of Health or local officials post warnings
- Lake Champlain Basin Program





# Central



## Nebraska

- Nebraska Department of Environmental Quality and other state agencies with the University of Nebraska-Lincoln
  - Monitor over 100 different waterbodies including 47 lakes and reservoirs





# Midwest



## Minnesota

- Minnesota Pollution Control Agency-  
Minnesota Lake Monitoring Program
  - Monitors approximately 100 lakes per year
  - Intra-agency workgroup on blue-green algae developed





# Midwest



## Iowa

- Iowa Department of Natural Resources and the Iowa Geological Survey
  - Monitor 132 lakes for Cyanobacteria and microcystin





# Midwest



## Indiana

- Central Indiana Water Resources Partnership
  - Studies done in 2008 on 3 public drinking supply reservoirs for microcystin
  - Monitoring conducted in 2009 on 15 lakes and reservoirs
- Indiana Clean Lakes Program





# Midwest



## Ohio

- Ohio Environmental Protection Agency-  
Inland Lakes Monitoring  
Program
- Various University  
research across the state



John Kuntz- The Cleveland Plain Dealer



# Questions?

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